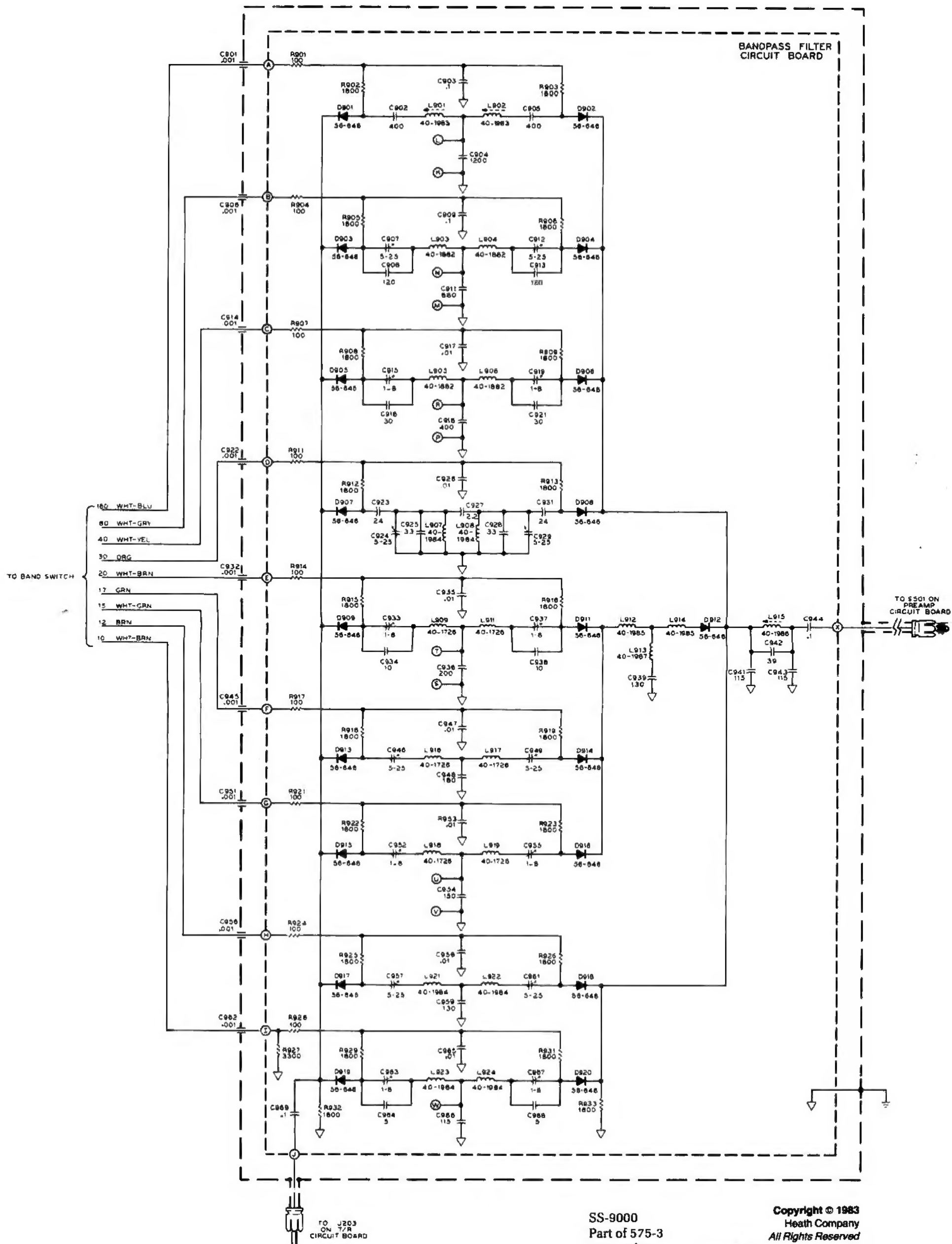
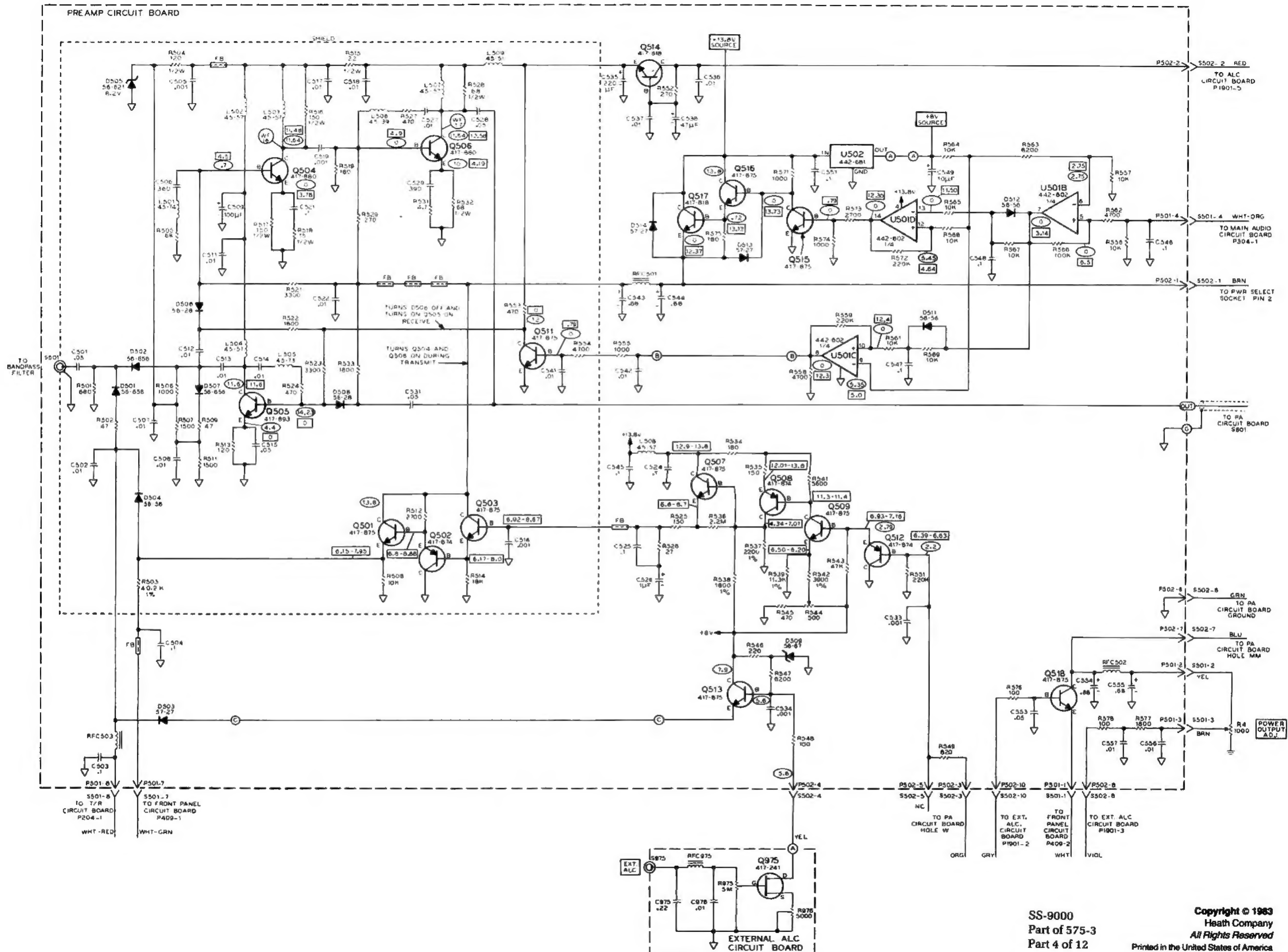


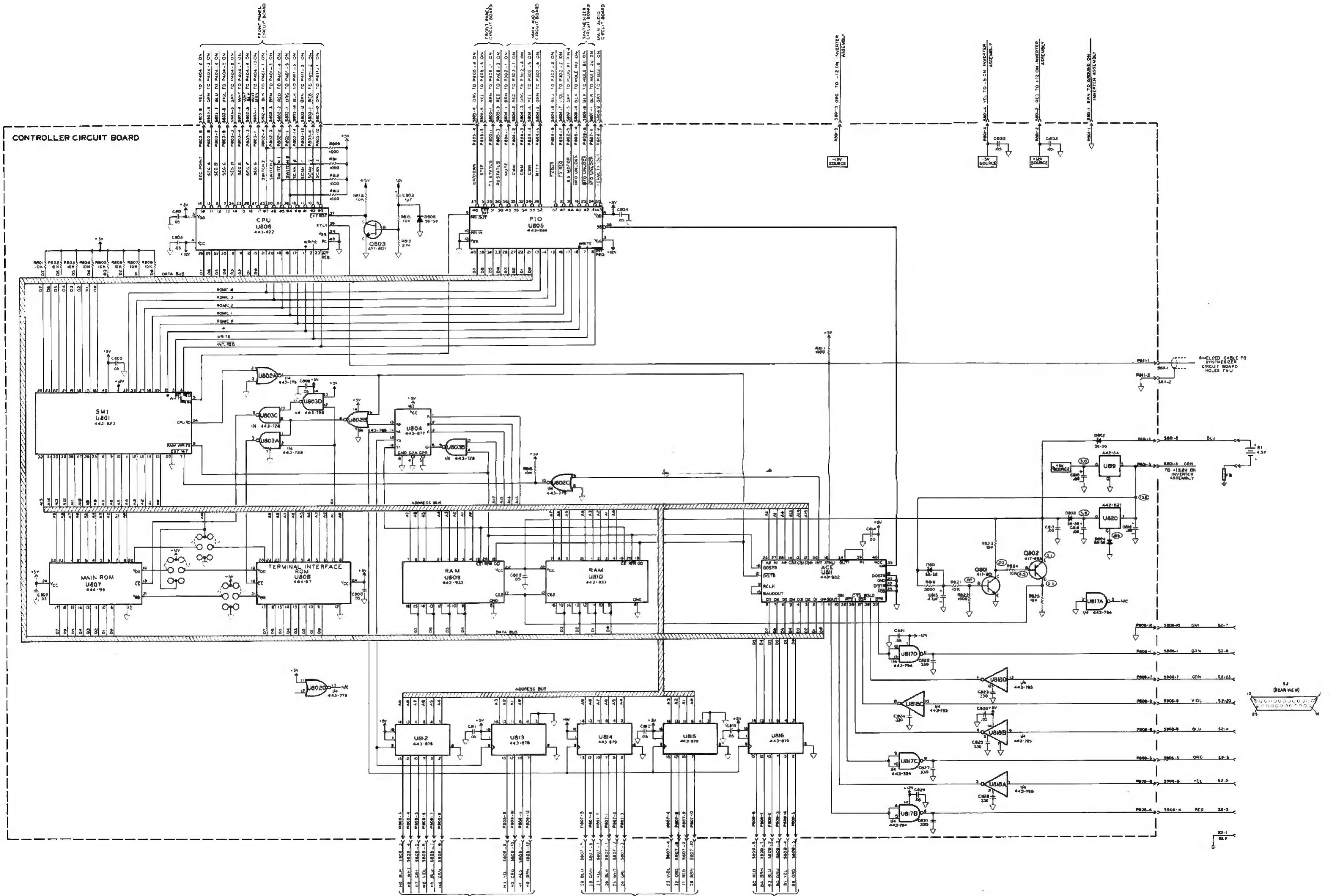
SCHEMATIC OF THE
HEATHKIT®
HF SYNTHESIZED TRANSCEIVER
MODEL SS-9000

- NOTES:
- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
001-999 PARTS MOUNTED ON THE CHASSIS.
101-199 PARTS MOUNTED ON THE SYNTHESIZER CIRCUIT BOARD.
201-299 PARTS MOUNTED ON THE TRANSMIT/RECEIVE CIRCUIT BOARD.
301-399 PARTS MOUNTED ON THE MAIN AUDIO CIRCUIT BOARD.
401-499 PARTS MOUNTED ON THE FRONT PANEL CIRCUIT BOARD.
501-599 PARTS MOUNTED ON THE PREAMP CIRCUIT BOARD.
601-699 PARTS MOUNTED ON THE POWER AMP CIRCUIT BOARD.
701-799 PARTS MOUNTED ON THE CONTROLLER CIRCUIT BOARD.
801-899 PARTS MOUNTED ON THE POWER AMP CIRCUIT BOARD.
901-999 PARTS MOUNTED ON THE CONTROLLER CIRCUIT BOARD.
1001-1099 PARTS MOUNTED ON THE BANDPASS FILTER CIRCUIT BOARD.
1101-1199 PARTS MOUNTED ON THE INVERTER CIRCUIT BOARD.
1201-1299 PARTS MOUNTED ON THE POWER INTERFACE CIRCUIT BOARD.
1301-1399 PARTS MOUNTED ON THE MOTOR DRIVE CIRCUIT BOARD.
1401-1499 PARTS MOUNTED ON THE ALC CIRCUIT BOARD.

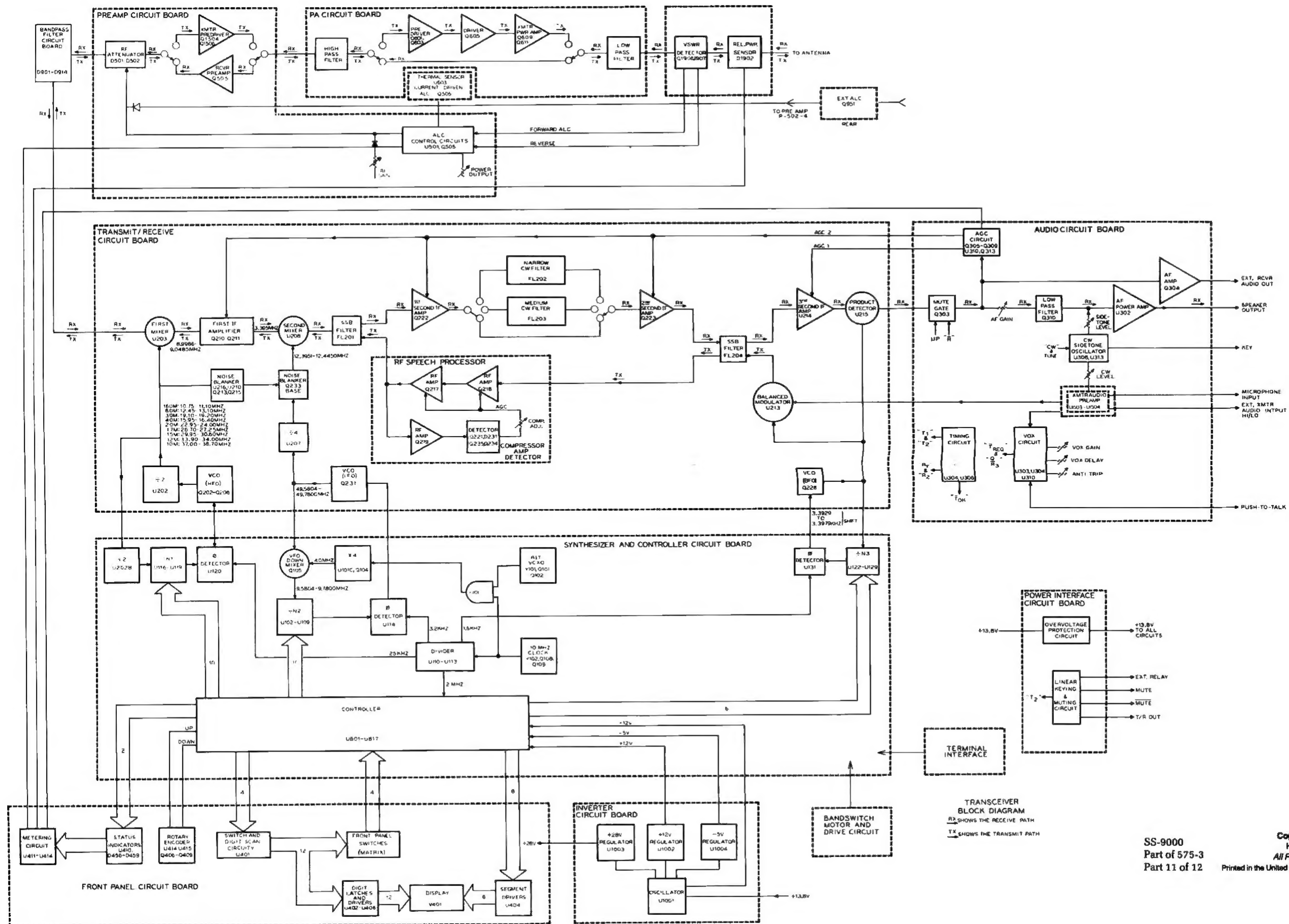
- ALL RESISTORS ARE 1/4-WATT, 5% TOLERANCE, UNLESS OTHERWISE NOTED. RESISTOR VALUES ARE IN OHMS 1K-100K; M-1,000,000.
- CAPACITORS LESS THAN 1 ARE IN PF (PICOFARADS). ALL OTHER CAPACITORS ARE IN µF (MICROFARADS) UNLESS OTHERWISE NOTED.
- ARROWS ON CONTROLS INDICATE COUNTERCLOCKWISE ROTATION AS VIEWED FROM THE KNOB SIDE OF THE CONTROL.
- THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASURED WITH A HIGH IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND (RECEIVE MODE, NO SIGNAL INPUT).
- THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASURED WITH A HIGH IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND (TRANSMIT MODE).
- THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.
- THIS SYMBOL INDICATES CHASSIS GROUND.
- THIS SYMBOL INDICATES A SOLDERED CONNECTION TO A CIRCUIT BOARD.
- THIS SYMBOL INDICATES A PLUG AND SOCKET.
- SEE YOUR "SERVICE MANUAL" FOR WAVEFORMS.
- REFER TO THE "CIRCUIT BOARD X-RAY VIEWS" FOR THE PHYSICAL LOCATION OF PARTS.
- THIS SYMBOL WITH A NUMBER CORRESPONDS TO A WAVEFORM SHOWN IN THE "WAVEFORM" SECTION OF THE SERVICE MANUAL (PAGE 144).





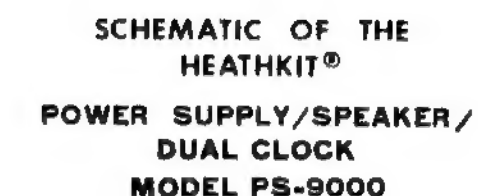






SS-9000
Part of 575-3
Part 11 of 12

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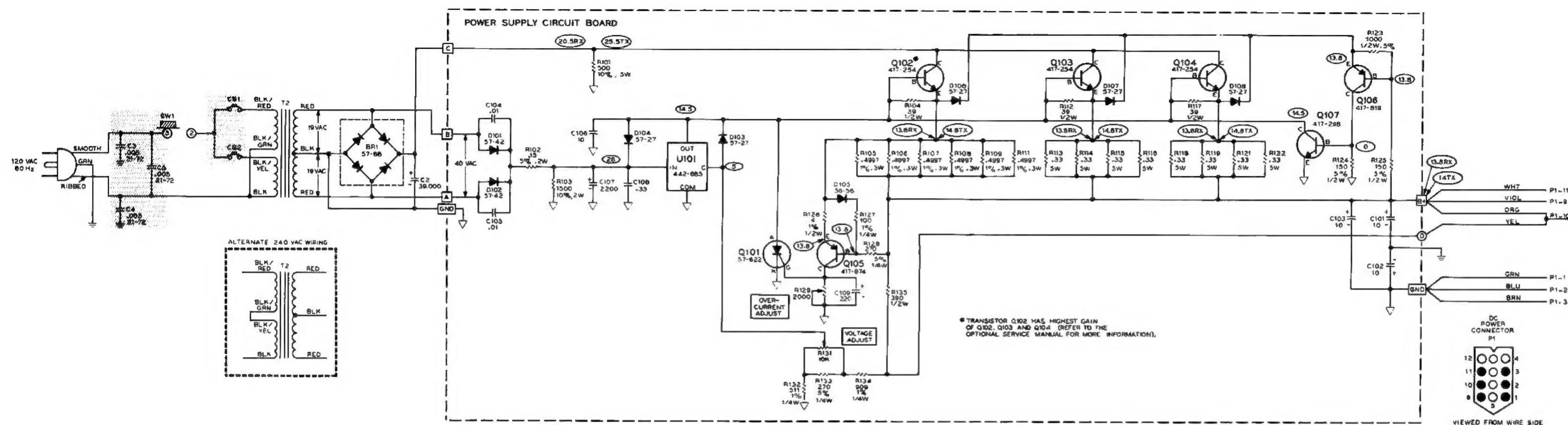


- a. LEFT-HAND CLOCK

K TO L
M TO N
P TO Q
F TO G
D TO E

B. RIGHT-HAND CLOCK

AA TO
AC TO
AE TO
R TO
T TO U

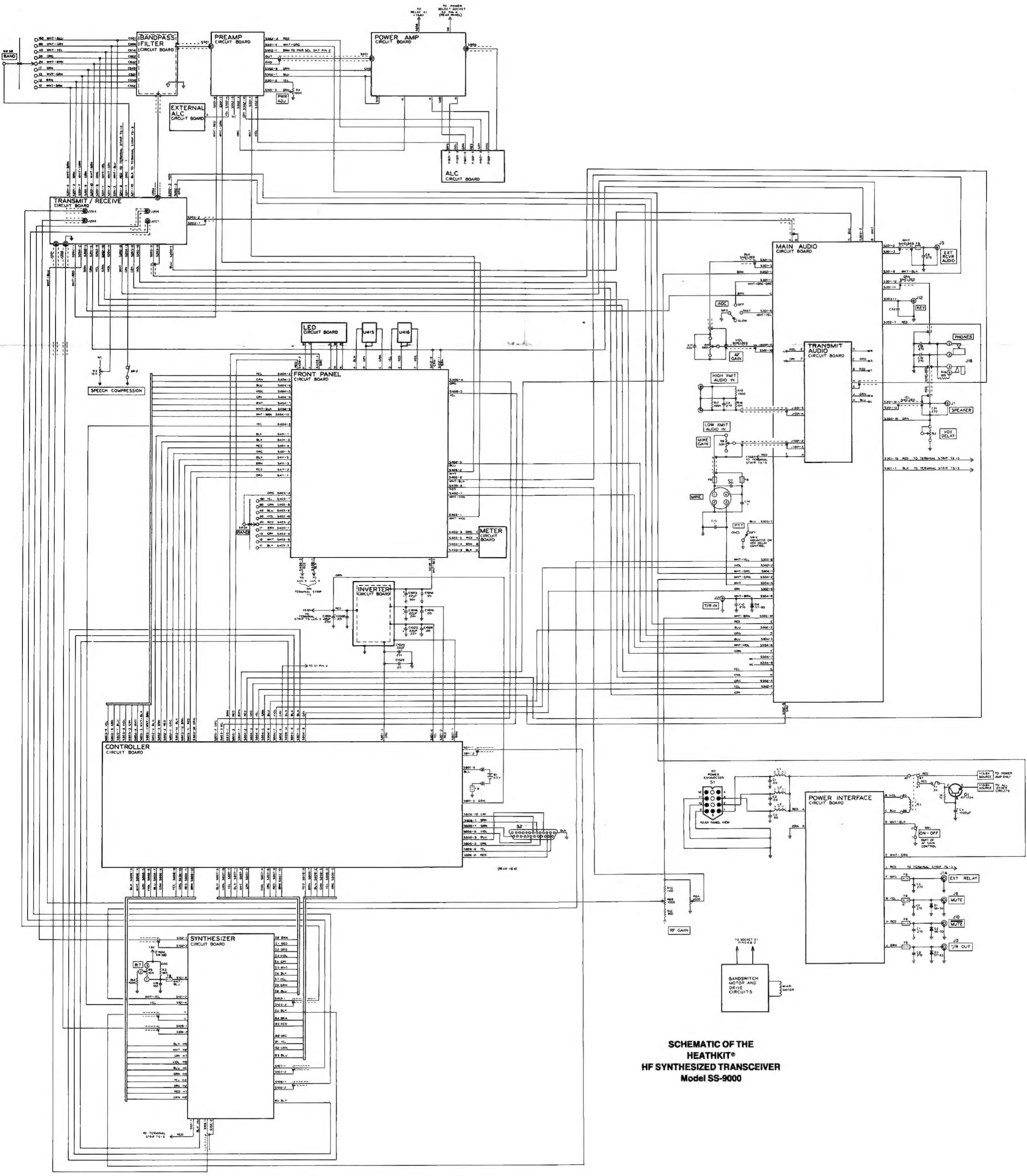


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575-3



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